

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3076 - L2 Version 3
Chandra X-Ray Center

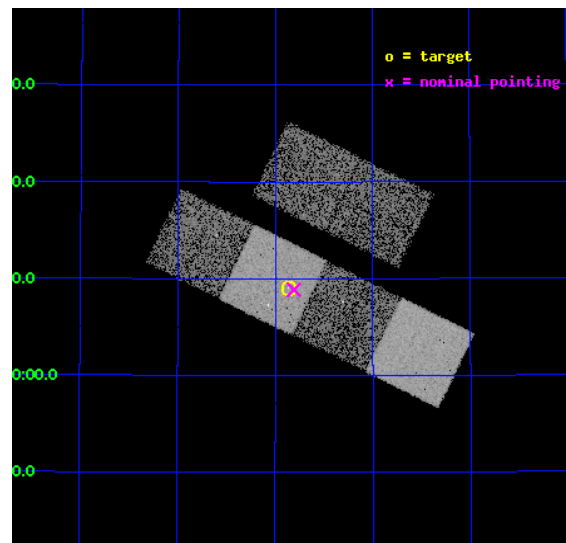
L2 Processing Date : Oct 8 2012

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1 Front

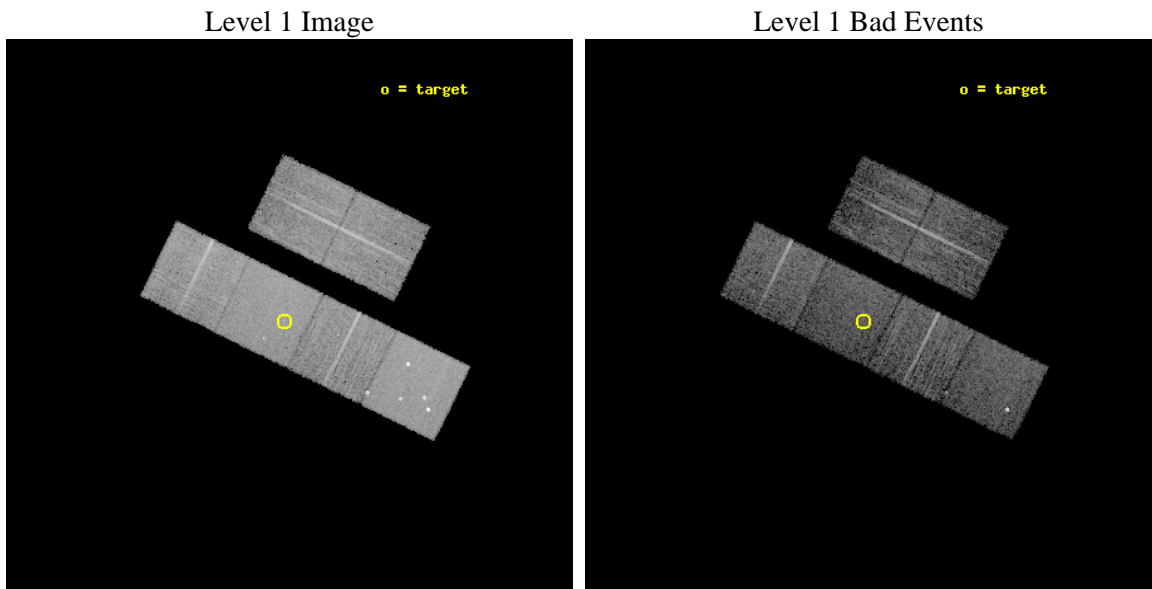
seq_num	700515	Sequence number
obs_id	3076	Observation id
title	X-RAY WEAK BROAD-LINE QUASARS: ABSORPTION OR INTRINSIC X_RAY WEAKNESS ?	Proposal title
observer	Dr Guido Risaliti	Principal investigator
object	HS 1417+4722	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	214.965833	Observer's specified target RA [deg]
dec_targ	47.15025	Observer's specified target Dec [deg]
ra_nom	214.95214031309	Nominal RA [deg]
dec_nom	47.147562819691	Nominal Dec [deg]
roll_nom	206.07702004778	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7753.5999711156	Sum of GTIs [s]
livetime	7655.4192196239	Livetime [s]
ontime2	7753.5999711156	Sum of GTIs [s]
ontime3	7753.5929134786	Sum of GTIs [s]
ontime5	7753.5999711156	Sum of GTIs [s]
ontime6	7753.5999711156	Sum of GTIs [s]
ontime7	7753.5999711156	Sum of GTIs [s]
ontime8	7750.310803622	Sum of GTIs [s]
l2events	77756	Number of level 2 events



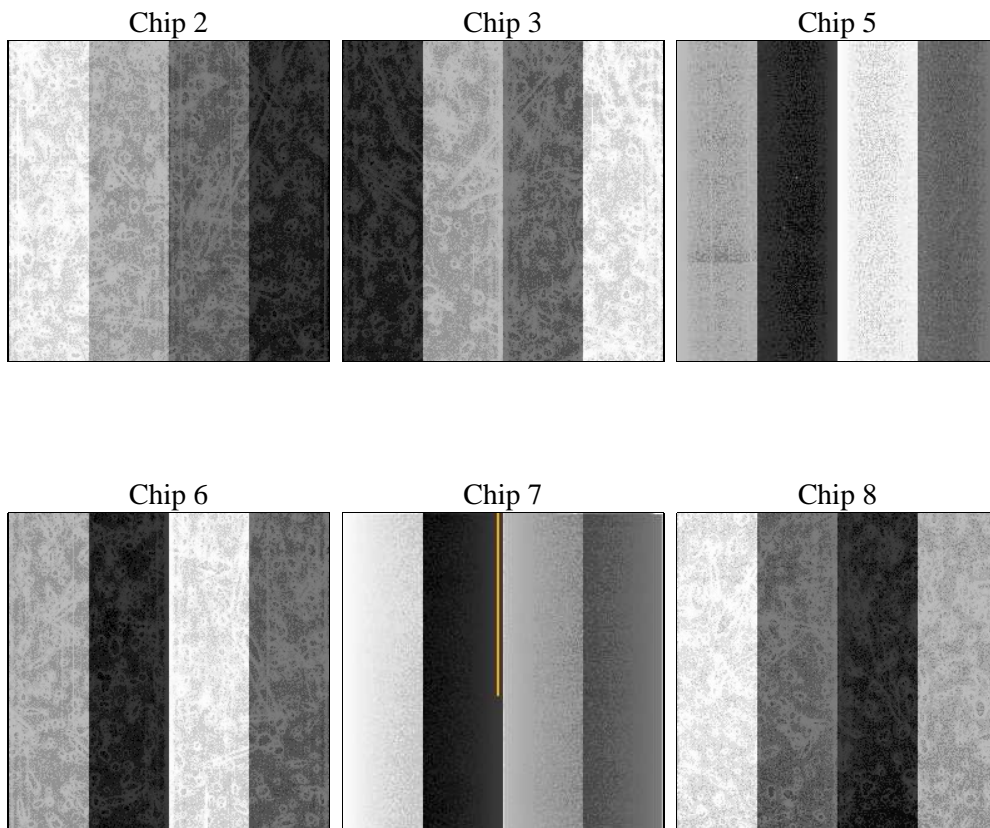
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7753.5999711156	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	7753.5999711156	Sum of GTIs [s]
date	2012-10-08T08:00:10	Date and time of file creation	ontime3	7753.5929134786	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	7753.5999711156	Sum of GTIs [s]
			ontime6	7753.5999711156	Sum of GTIs [s]
			ontime7	7753.5999711156	Sum of GTIs [s]
			ontime8	7750.310803622	Sum of GTIs [s]
			l1events	356690	Number of level 1 events

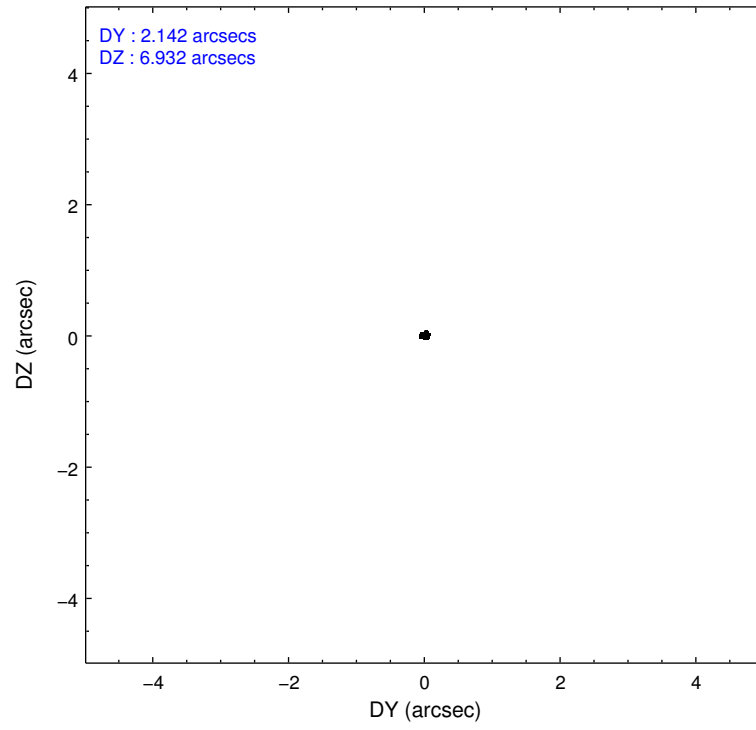
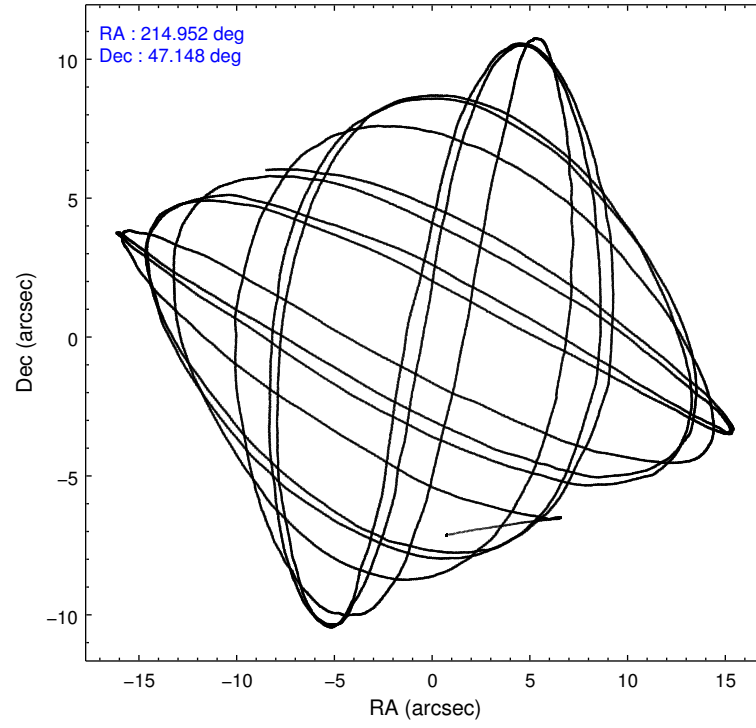
2.1.4 Events

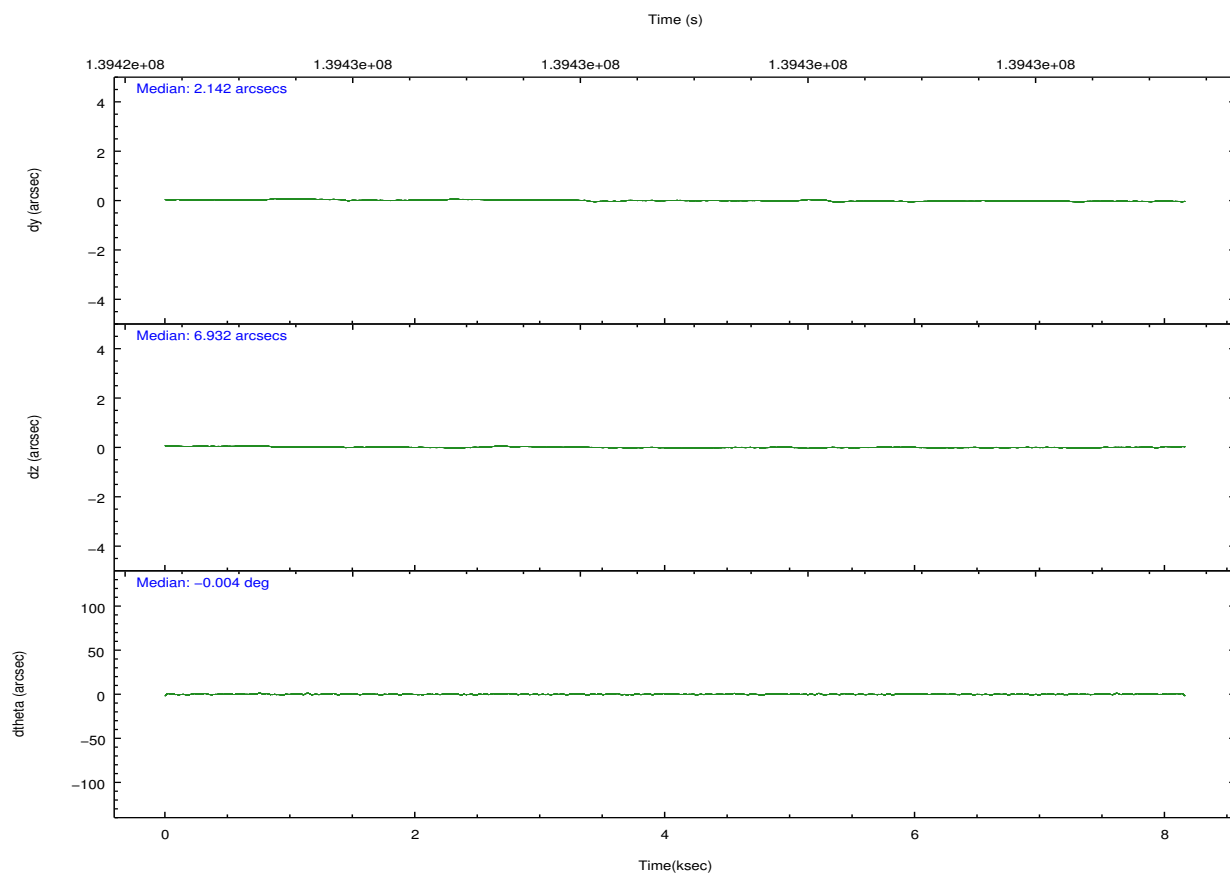
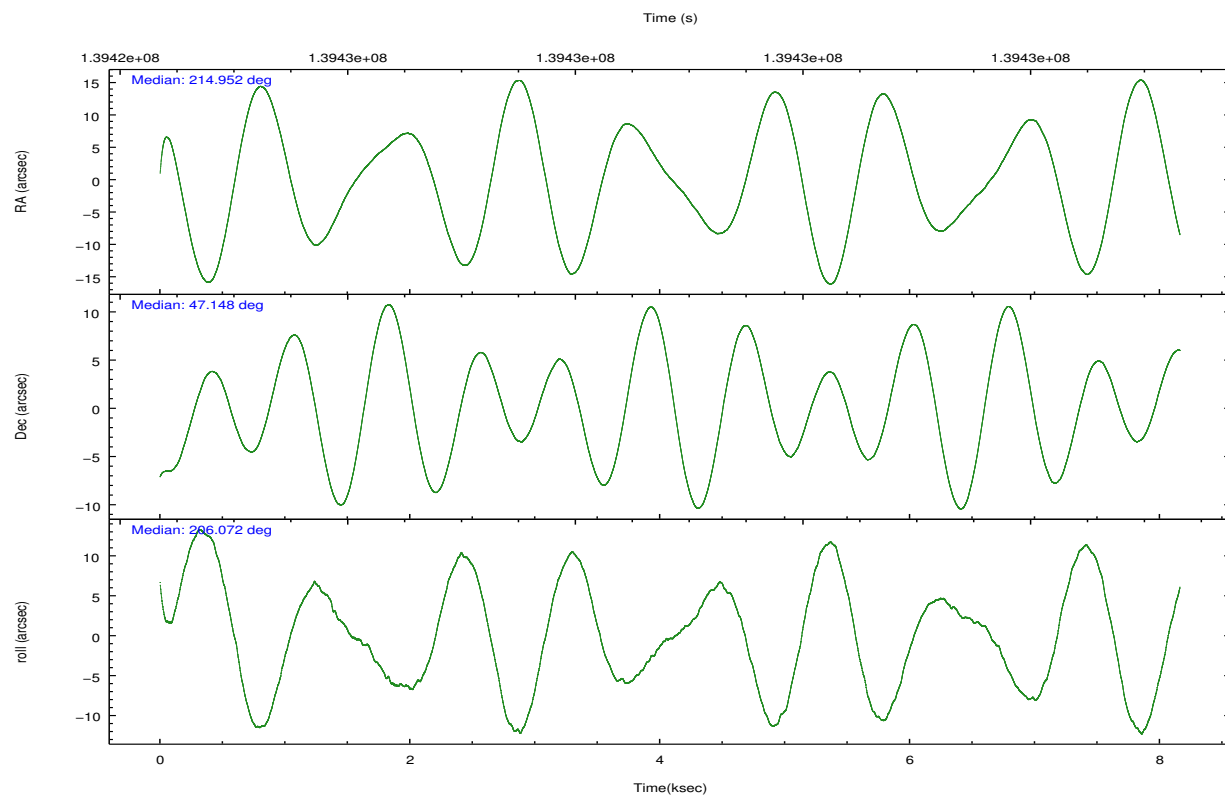
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	50432	48437	77428	50670	65438	64285	grade 0 events	2343	2440	6507	2378	2661	4122
rejected events	44734	42696	40636	44909	37917	51201		4%	5%	8%	4%	4%	6%
rejected %	88%	88%	52%	88%	57%	79%	grade 1 events	23	15	299	28	62	37
								0%	0%	0%	0%	0%	0%
							grade 2 events	1267	1197	10328	1146	5534	2713
								2%	2%	13%	2%	8%	4%
							grade 3 events	508	519	1512	547	2485	1505
								1%	1%	1%	1%	3%	2%
							grade 4 events	505	564	1312	541	2495	1369
								1%	1%	1%	1%	3%	2%
							grade 5 events	1826	1988	5910	2161	6349	2736
								3%	4%	7%	4%	9%	4%
							grade 6 events	1082	1024	17162	1151	14362	3391
								2%	2%	22%	2%	21%	5%
							grade 7 events	42878	40690	34398	42718	31490	48412
								85%	84%	44%	84%	48%	75%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	214.974059	214.9521403130933	Subarray requested	NONE	NONE
[deg] Pointing Dec	47.170384	47.14756281969056	Alternating exposures requested	N	N
[deg] Pointing Roll	205.904326	206.0770200477817	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	139424917.184000	139424032.58391			
Observation start date	2002-06-02T17:07:33	2002-06-02T16:53:52			
[s] Observation end time (MET)	139432917.184000	139433376.48429			
Observation end date	2002-06-02T19:20:53	2002-06-02T19:29:36			
Read mode	TIMED	TIMED			

2.3 Aspect



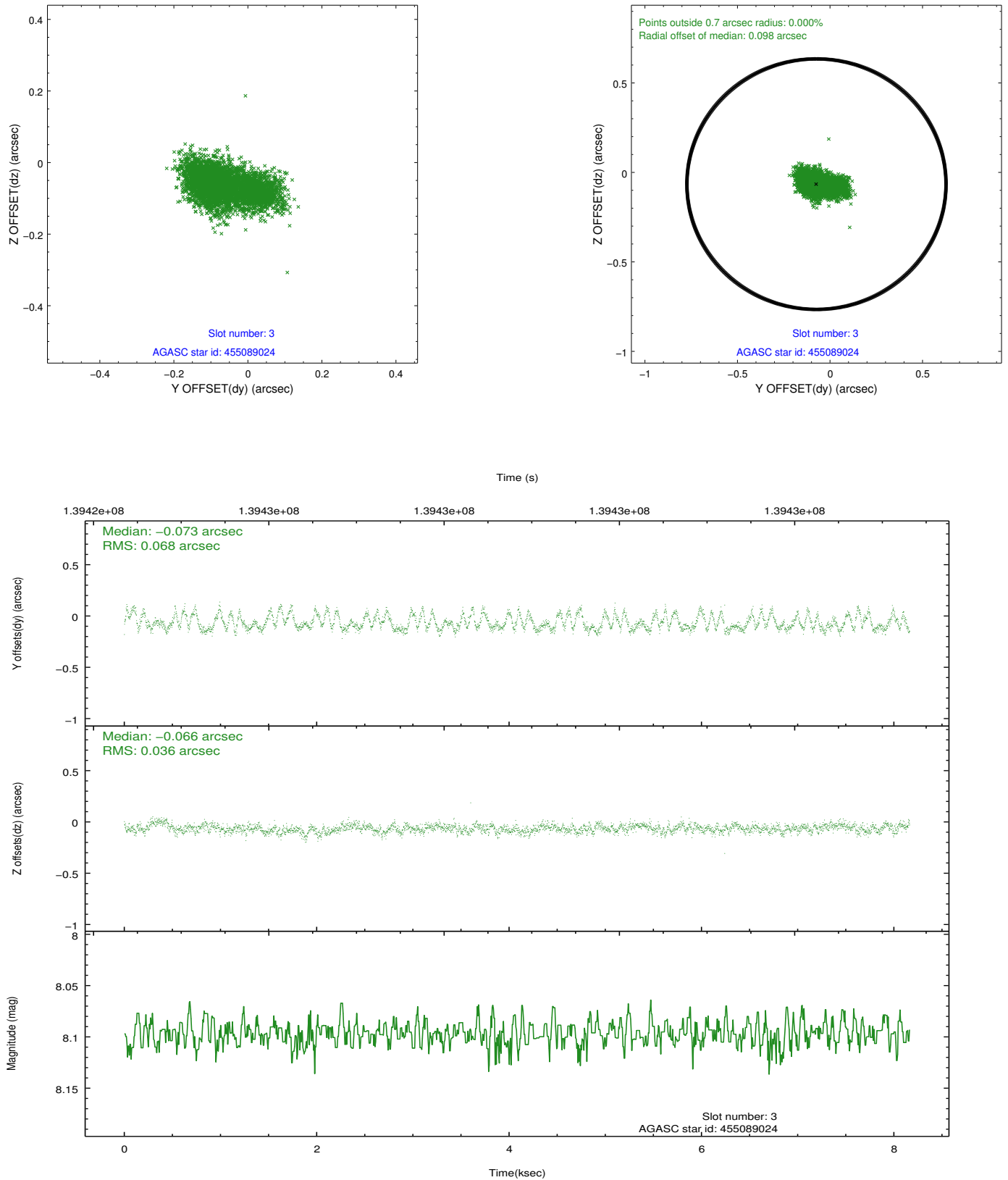


Slot Statistics

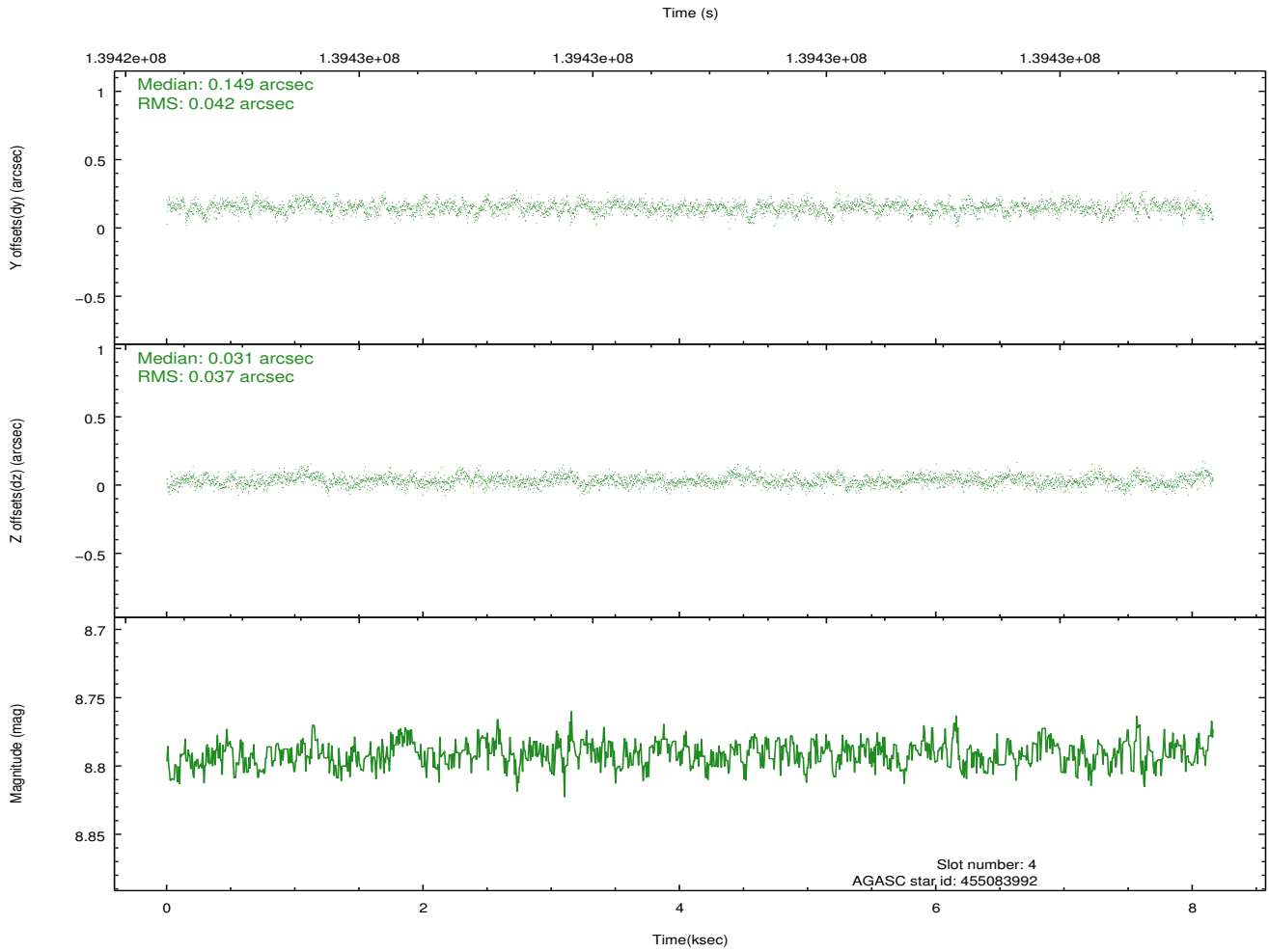
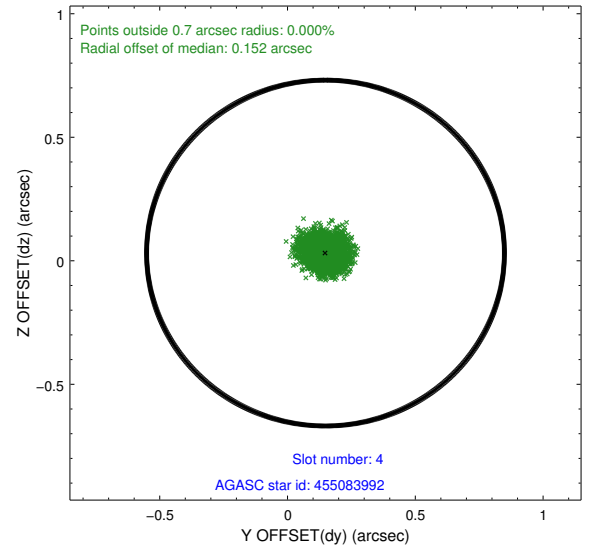
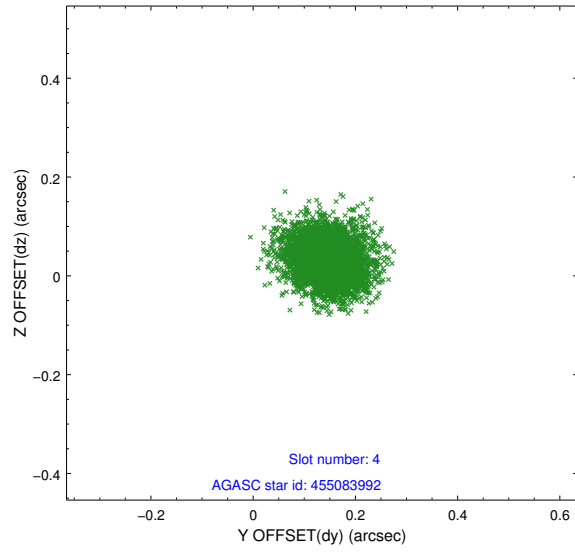
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1991	-0.023	0.012	0.007	0.012	0.000000	0.000000	-754.78	-1728.09
1	FID	ACIS-S-4	7.20	1991	-0.043	0.008	0.005	0.010	0.000000	0.000000	2158.16	179.69
2	FID	ACIS-S-5	7.24	1991	0.034	-0.011	0.006	0.011	0.000000	0.000000	-1806.69	174.11
3	GUIDE	455089024	8.10	3981	-0.073	-0.066	0.079	0.138	216.032003	46.769703	-1724.81	2421.42
4	GUIDE	455083992	8.79	3983	0.149	0.031	0.060	0.097	214.489170	46.384559	2316.37	2016.70
5	GUIDE	455083280	9.08	3983	0.003	0.025	0.079	0.127	213.981089	47.164062	2189.32	-1053.97
6	GUIDE	455085672	9.40	3982	0.008	0.043	0.122	0.187	215.670896	46.931477	-1168.91	1515.35
7	GUIDE	455480408	9.43	3978	-0.089	-0.026	0.096	0.161	215.278062	47.584841	-1317.55	-1020.17

2.4 Star Slots

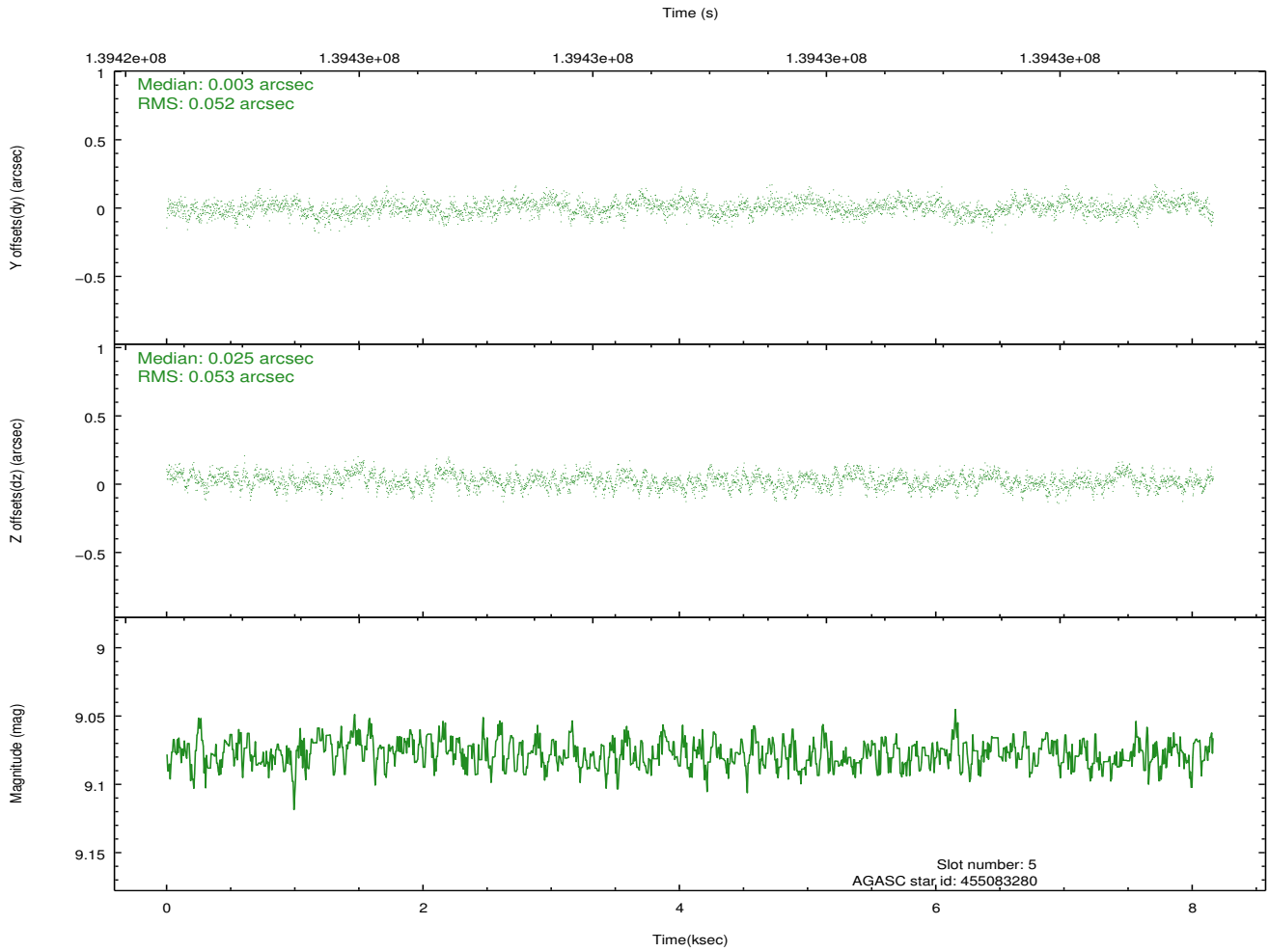
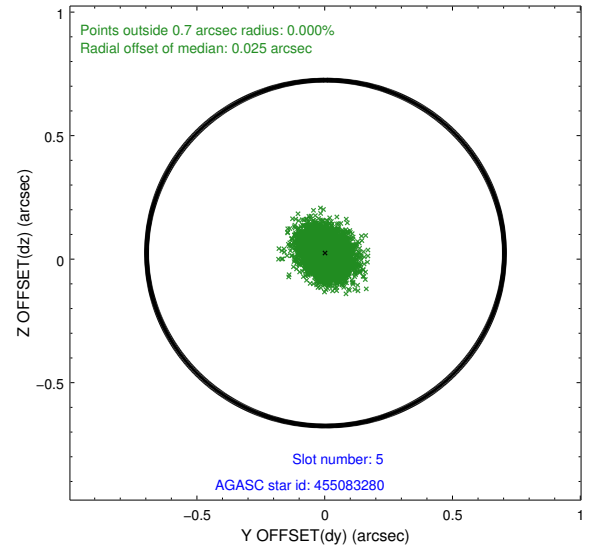
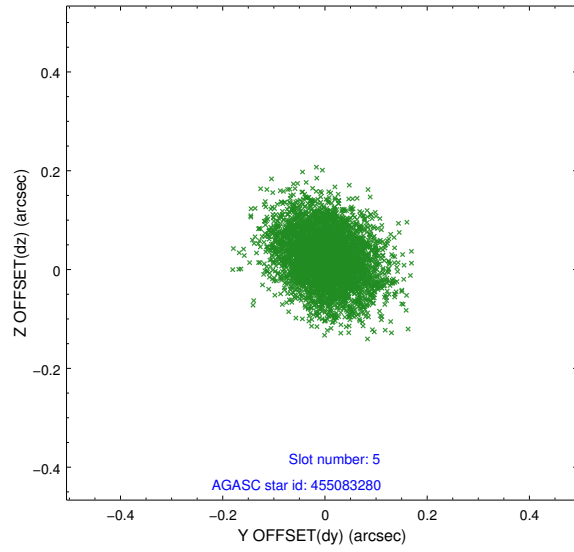
2.4.1 Slot 3



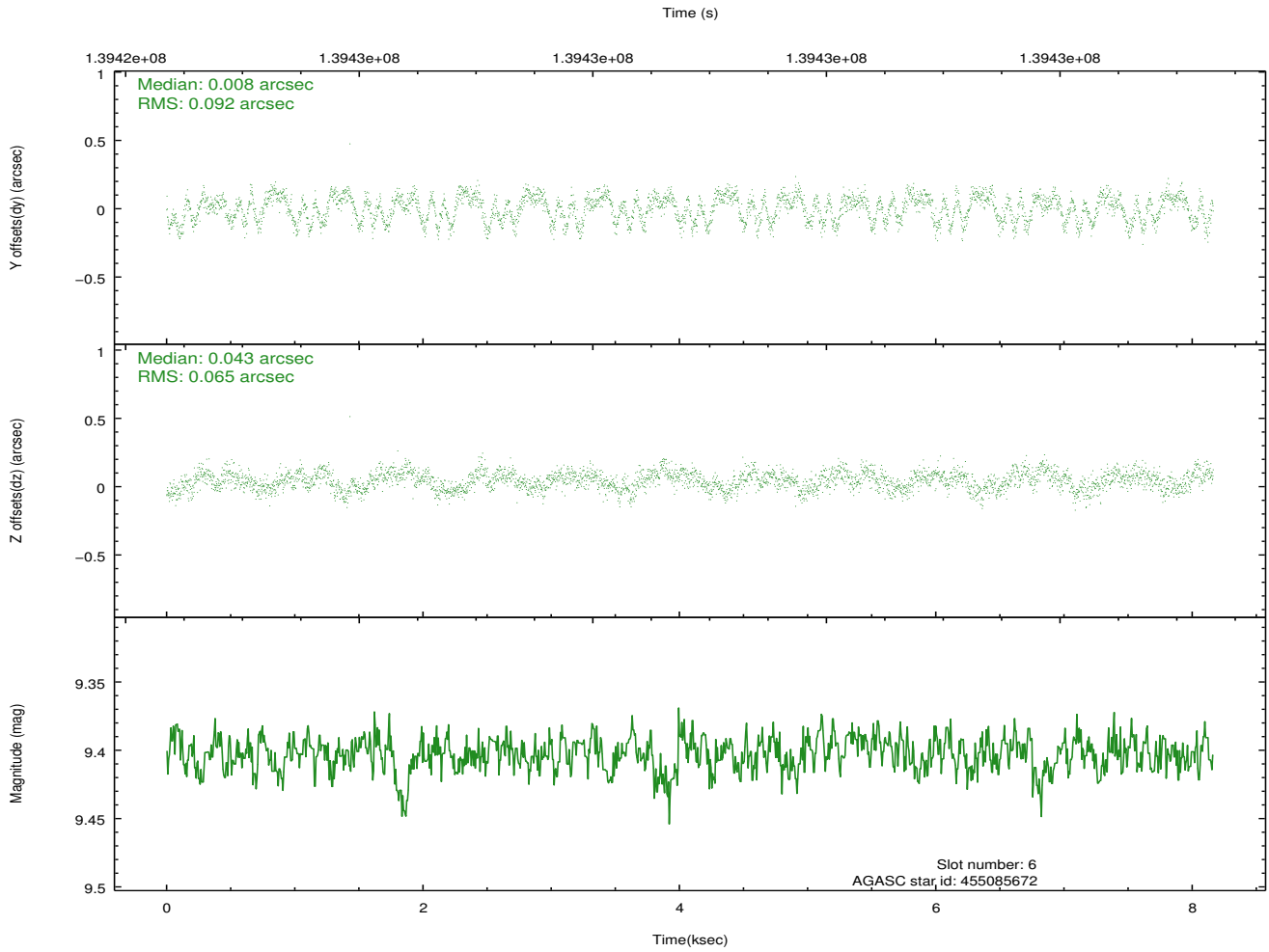
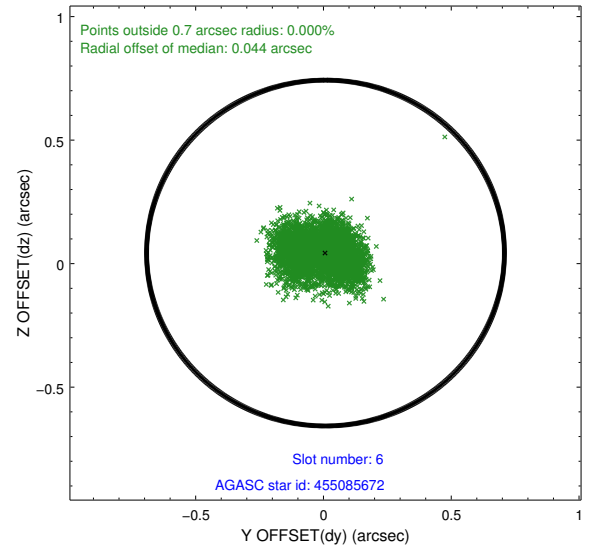
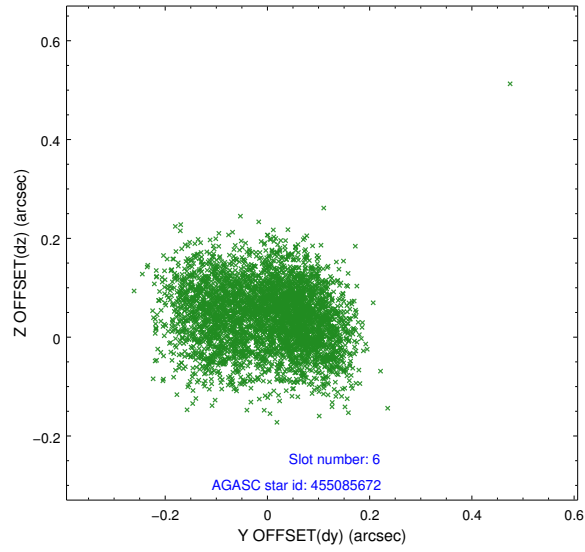
2.4.2 Slot 4



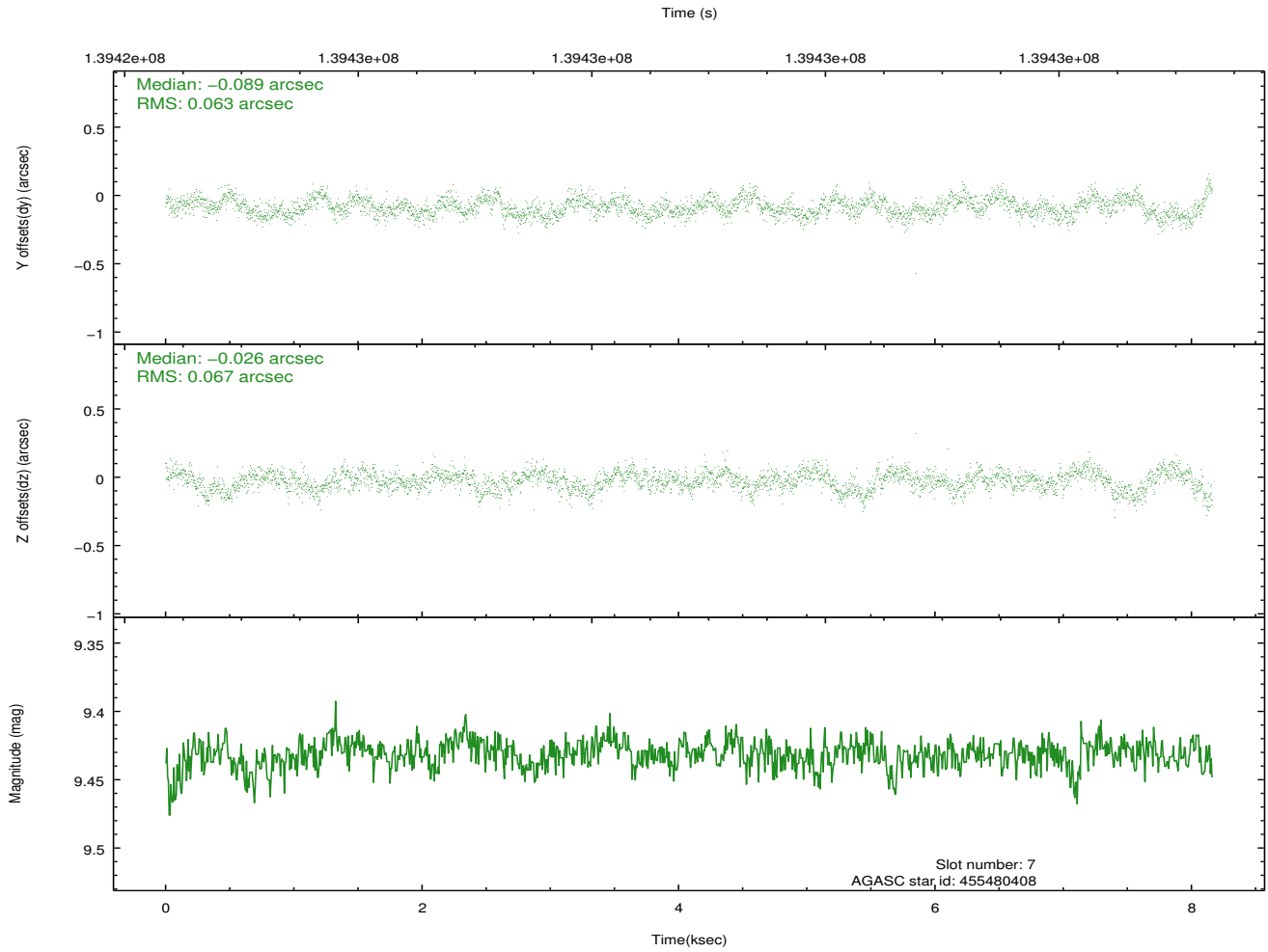
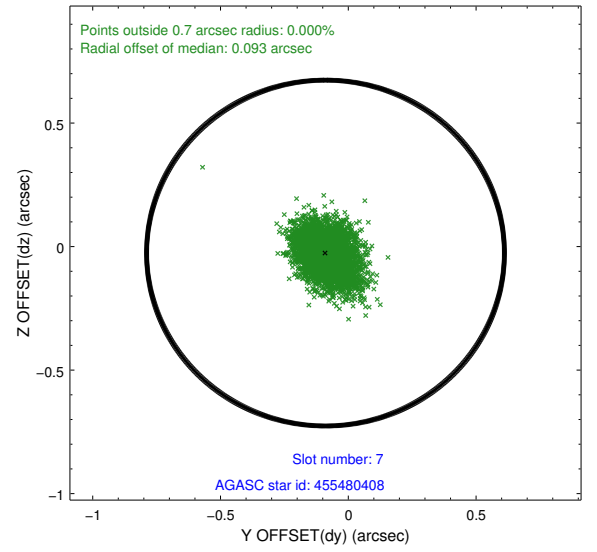
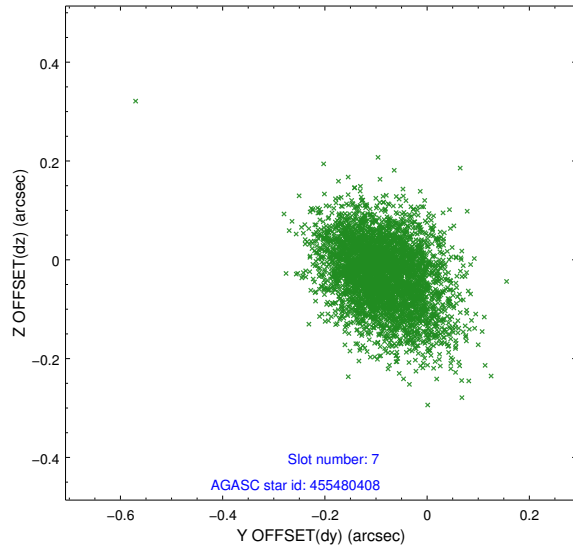
2.4.3 Slot 5



2.4.4 Slot 6

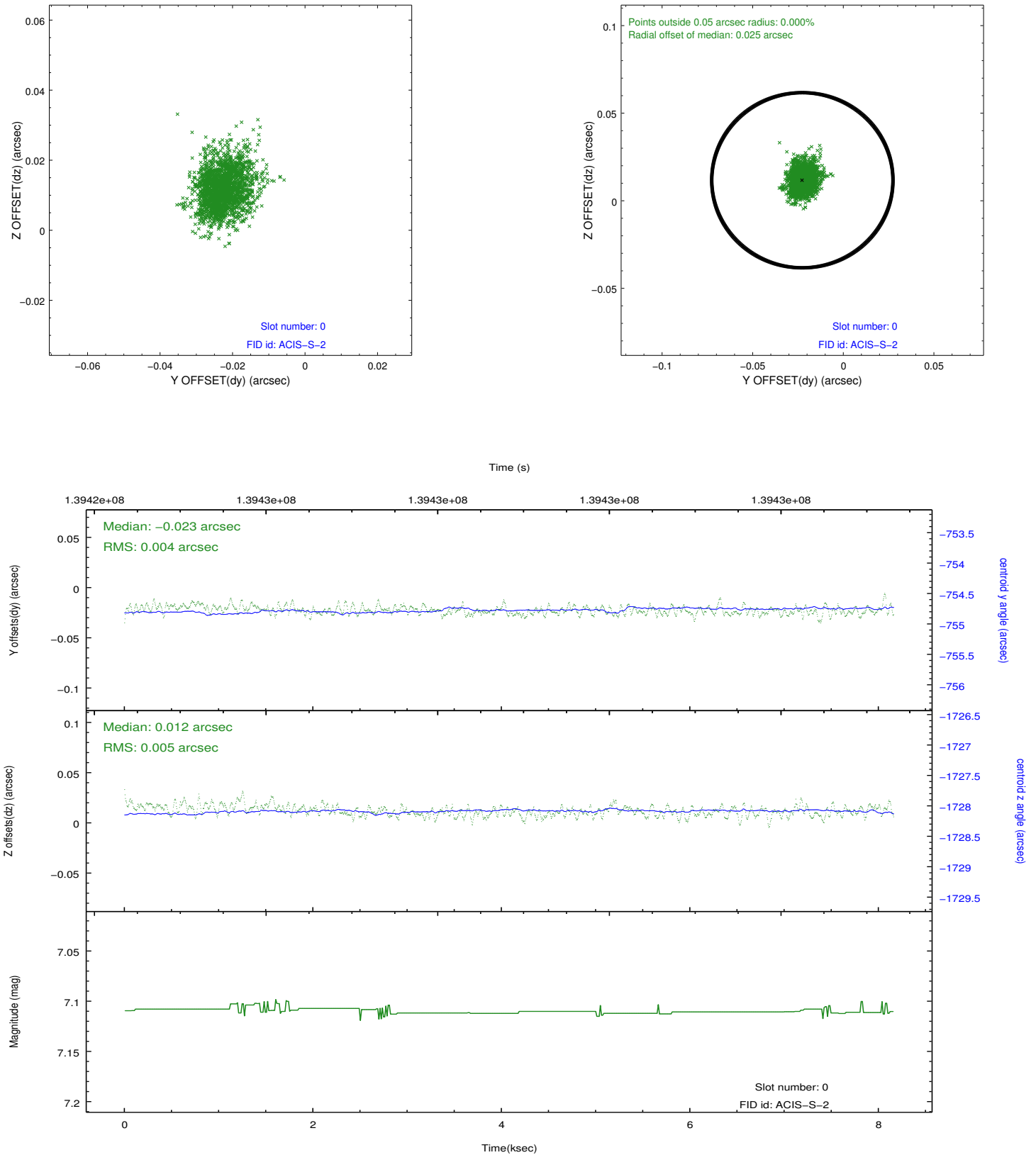


2.4.5 Slot 7

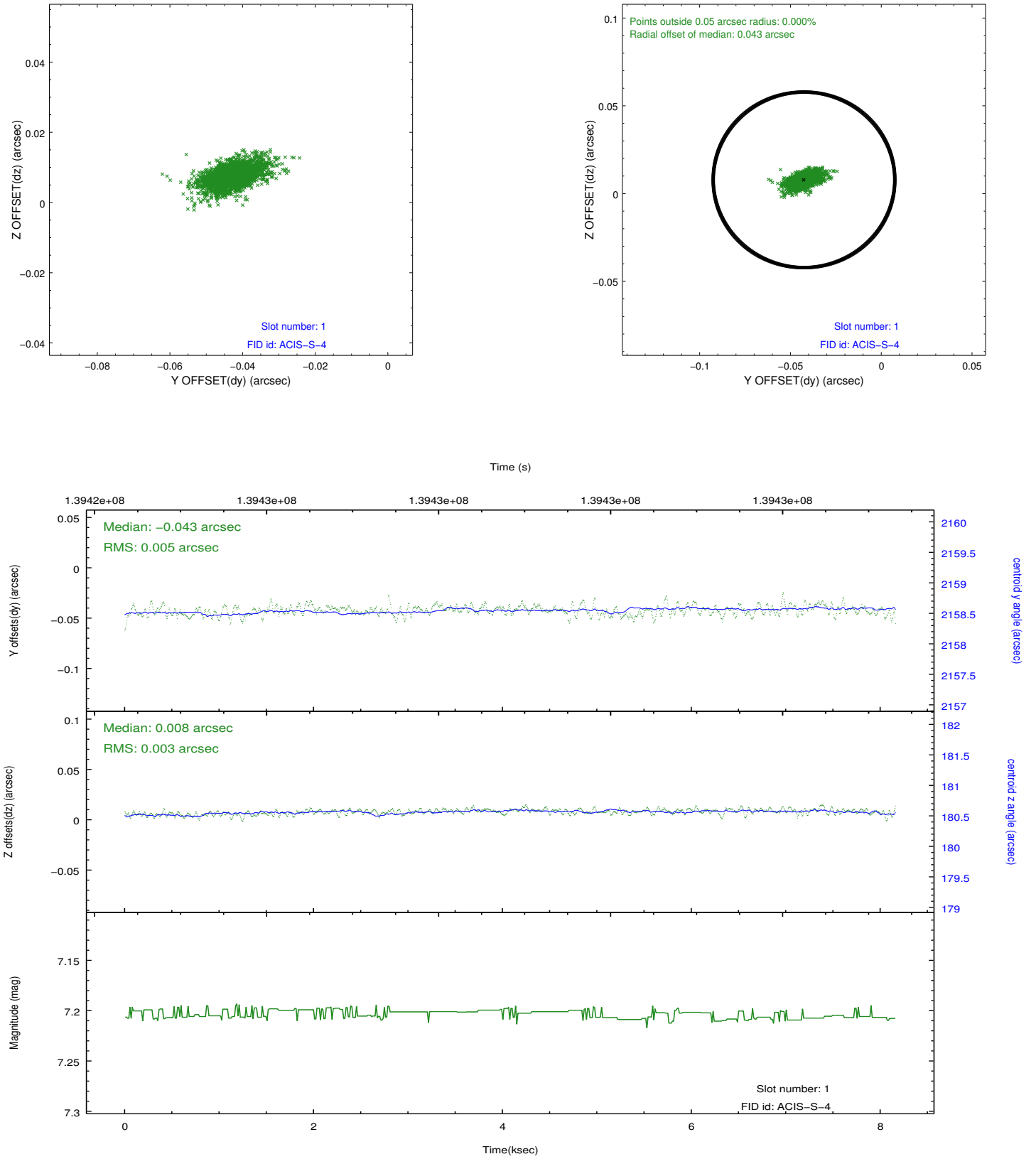


2.5 FID Slots

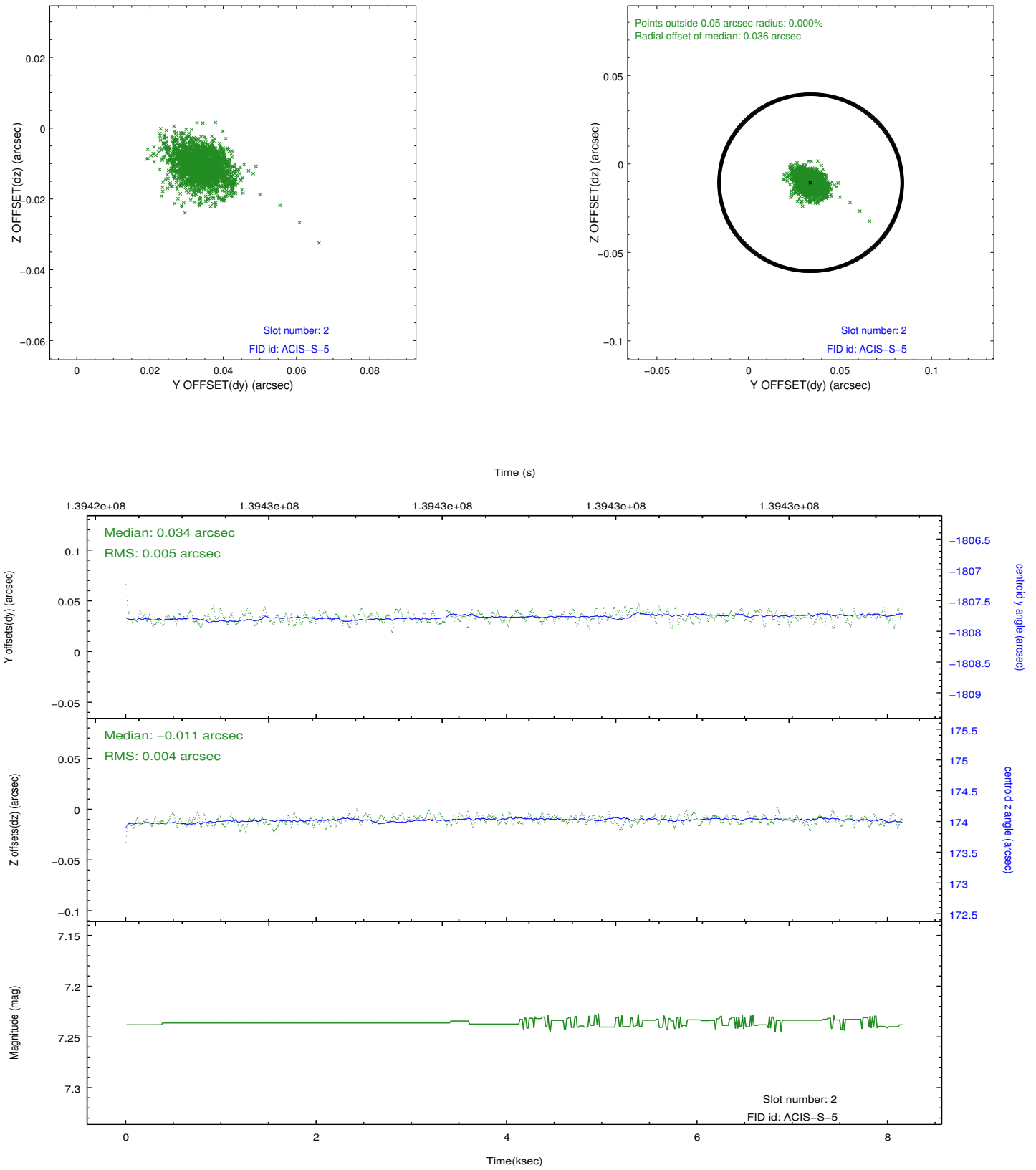
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.10.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.756

A.2 Comments